



CONSTRUCTION EQUIPMENT

A11686 BUCKLEY VOLVO L60H 621942 - HYDRAULIC SYSTEM



Sample No: VCP434136
Oil Type: MOBIL HYDRAULIC OIL AW 46
Job No: A11686 BUCKLEY



SAMPLE INFORMATION

Sample Number	VCP434136	VCP421954	VCP399127	VCP400271
Sample Date	14 Dec 2023	17 May 2023	09 Feb 2023	19 Jan 2023
Machine Hours	4010	2980	2559	2482
Oil Hours	3500	1000	0	0
Oil Changed	Changed	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HOFFMAN EQUIPMENT - LIONVILLE
 120 GORDON DRIVE
 LIONVILLE, PA
 US 19341
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OIL CONDITION

Visc @ 40°C	cSt	44.5	44.6	44.8	43.0
Acid Number (AN)	mg KOH/g	0.22	0.31	0.35	0.35

CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		3199	1737	2936	2605
Particles >6µm		321	323	656	822
Particles >14µm		17	13	21	49
ISO 4406:1999 (c)		19/16/11	18/16/11	19/17/12	19/17/13
Silicon	ppm	2	1	<1	2
Sodium	ppm	0	0	0	0
Potassium	ppm	<1	<1	1	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

Iron	ppm	4	2	2	4
Copper	ppm	1	1	1	3
Lead	ppm	<1	1	<1	3
Tin	ppm	0	0	0	0
Aluminum	ppm	2	0	0	0
Chromium	ppm	<1	<1	0	<1
Molybdenum	ppm	0	<1	<1	0
Nickel	ppm	0	0	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	82	125	85	61
Magnesium	ppm	6	6	6	<1
Zinc	ppm	459	452	453	431
Phosphorus	ppm	366	337	332	316
Barium	ppm	6	0	0	1
Boron	ppm	0	<1	0	0

Depot: VOLVO8879
Unique No: 10795804
Signed: Wes Davis
Report Date: 21 Dec 2023

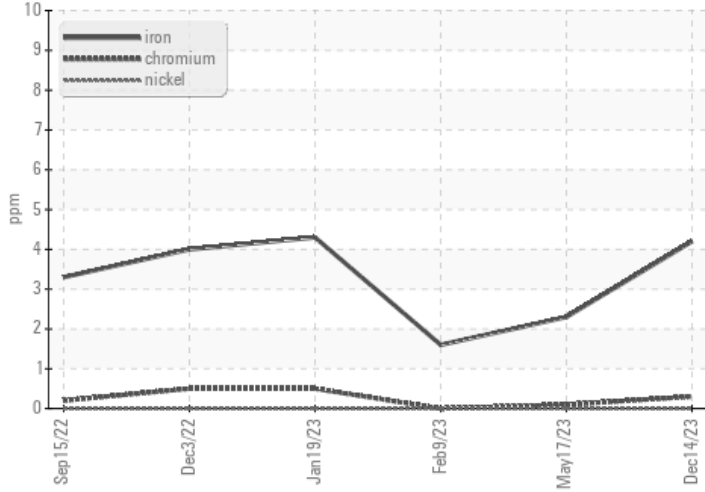


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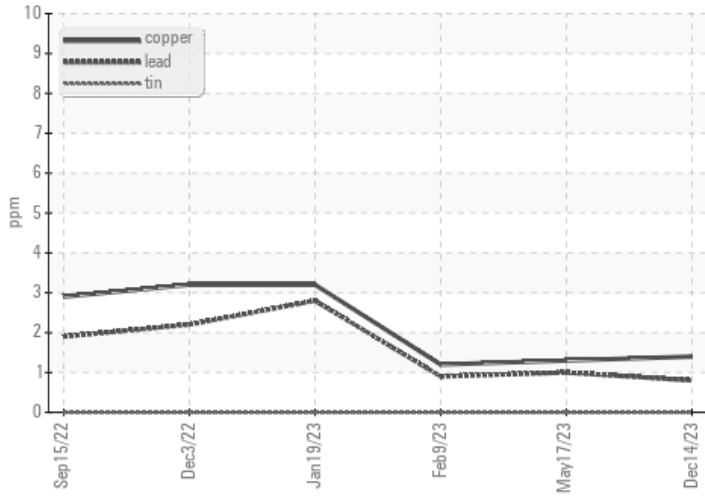


VOLVO GRAPHS

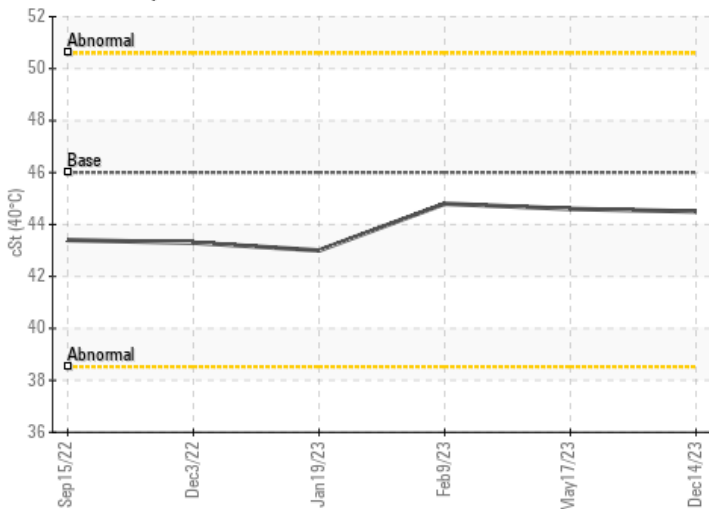
Ferrous Alloys



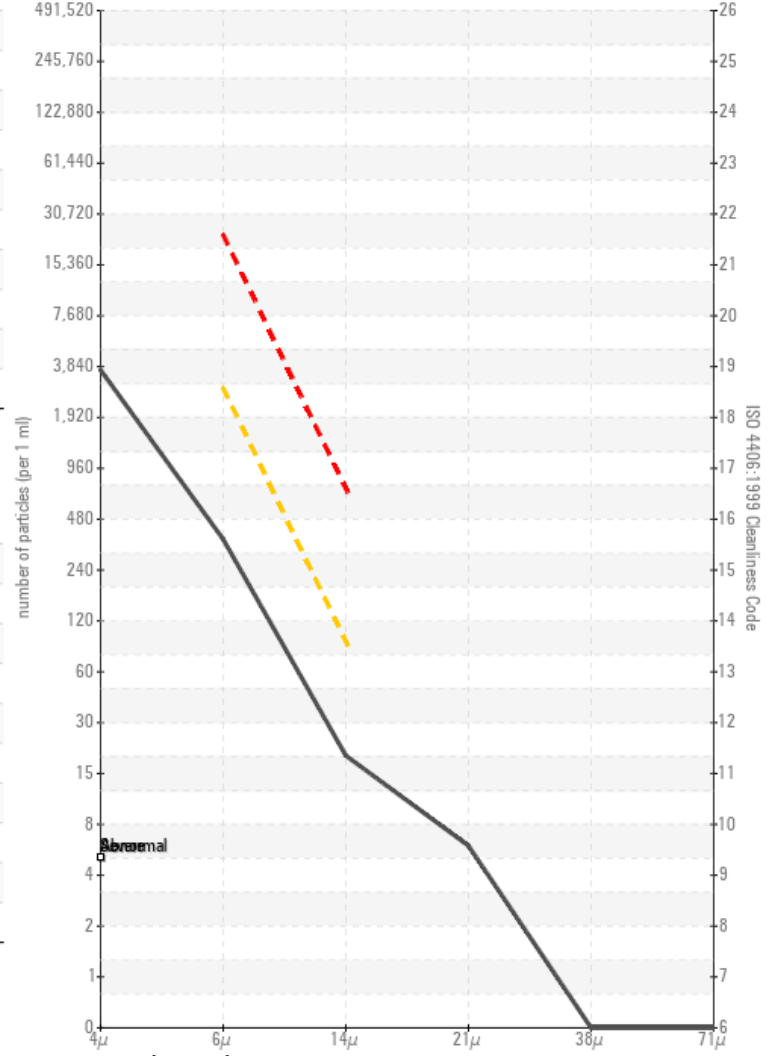
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

